In the Claims:

Please amend the claims as follows (the changes in these Claims are shown with

~~strikethrough~~ for deleted matter and <u>underlines</u> for added matter). A complete listing of

the claims with proper claim identifiers is set forth below.

Amendments to the Claims

1. (Currently Amended) An authentication method for network security,

comprising the following steps:

configuring a Media Gateway (MG) with an authentication key and setting a

security data package<u>, which is a collection of a security authentication signal and an</u>

<u>event,</u> on a network protocol, by a Media Gateway Controller (MGC);

during a security authentication, sending by the MGC a security authentication

request containing a security authentication parameter to the MG using the <u>security</u>

data package;

performing an encryption calculation <u>and obtaining a calculation result</u> according to

the security authentication parameter and the authentication key<u>, by the MG;</u> [[and]]

reporting [[a]] <u>the</u> calculation result to the MGC, by the MG; and

determining by the MGC whether the MG is legal by comparing the calculation

result <u>obtained according to the security authentication parameter and the</u>

<u>authentication key</u> with a result calculated by the MGC.

2. (Original) The authentication method for network security according to claim 1,

wherein said network protocol is Media Gateway Control Protocol (MGCP).

3. (Original) The authentication method for network security according to claim 1, wherein said network protocol is H248 protocol.

4. (Currently Amended) The authentication method for network security according to claim 1, wherein said security data package comprises a security authentication request signal and a security authentication completion event, said security authentication request signal comprises a security authentication parameter, and said security authentication completion event comprises a security authentication result parameter; and wherein the step of reporting a calculation result includes reporting by the MG, the calculation result to the MGC via a security authentication completion event in a data package.

5. (Previously Presented) The authentication method for network security according to claim 4, wherein the security authentication parameter is a random number.

6. (Cancelled)

7. (Currently Amended) An authentication method applicable in a Next Generation Network (NGN) for network security, comprising the following steps:

configuring a Media Gateway (MG) with an authentication key and setting a security data package, which is a collection of a security authentication signal and an event, on a network protocol, by a Media Gateway Controller (MGC);

during a security authentication, sending by the MGC a security authentication

request containing a security authentication parameter to the MG using the <u>security</u>

data package;

performing an encryption calculation <u>and obtaining a calculation result</u> according to

the security authentication parameter and the authentication key<u>, by the MG;</u> [[and]]

reporting [[a]] <u>the</u> calculation result to the MGC, by the MG; and

determining by the MGC whether the MG is legal by comparing the calculation

result <u>obtained according to the security authentication parameter and the</u>

<u>authentication key</u> with a result calculated by the MGC.

, 8. (Currently Amended) The authentication method according to claim 7, wherein

said <u>security</u> data package comprises a security authentication request signal and a

security authentication completion event, said security authentication request signal

comprising a security authentication parameter, and said security authentication

completion event comprising a security authentication result parameter; the MG reports

the calculation result to the MGC via a security authentication completion event in a

data package.

9. (Currently Amended) A system applicable in a Next Generation Network (NGN)

for network security, comprising a Media Gateway (MG) and a Media Gateway

Controller (MGC), wherein,

the MGC configures the MG with an authentication key and sets a security data

package<u>, which is a collection of a security authentication signal and an event,</u> on a

network protocol, sends a security authentication request containing a security

authentication parameter to the MG using the security data package during a security

authentication;

the MG performs an encryption calculation and obtains a calculation result

according to the security authentication parameter and the authentication key, and

reports [[a]] the calculation result to the MGC; and,

the MGC determines whether the MG is legal by comparing the calculation result

obtained according to the security authentication parameter and the authentication key

with a result calculated by the MGC.

10. (Currently Amended) The system according to claim 9, wherein said security

data package comprises a security authentication request signal and a security

authentication completion event, said security authentication request signal comprising

a security authentication parameter, and said security authentication completion event

comprising a security authentication result parameter; the MG reports the calculation

result to the MGC via a security authentication completion event in a data package.